

AMENDMENTS

In the Specification:

Please amend the paragraph on page 37, line 37 through page 38, line 19 as follows:

2. PCR 5' Nuclease Method. Further screening was carried out using the TAQMAN® fluorogenic probe-based technique wherein a mismatched oligonucleotide probe spanning the allele is displaced, but a match oligonucleotide probe is digested by the 5' nuclease activity of the TAQMAN® polymerase. These two states can be detected using probes that are differentially labeled with fluorogenic labels (e.g. tetra-chloro-carboxyfluorescein (TET) or 6-carboxyfluorescein (FAM)). The primers, probes and conditions were as follows:

Forward Primer: 5'TCAATTGACTGGTGTGCTC3' (SEQ ID No. 6)

Reverse Primer: 5'TCAGAACCATTGAACAGTATGATATTTC3' (SEQ ID NO. 7 19)

Probe Allele 1:

5'[TET]-ATCAAGTCCTTTAATTAACACTGAAAATATATAAGCTCAGAT3' (SEQ ID NO. 8)

Probe Allele 2:

5'[FAM]-AATCAAGTCCTTTAATTAAGACTGAAAATATATAAGCTCAGATT3' (SEQ ID NO. 9)

Conditions:

PCRs were carried out in a final volume of 50µl using 1U Taq polymerase of 7.5 mM MgCl₂, 0.2 mM dNTP's, 1µM oligonucleotide primers, 10% glycerol, and a mixture of fluorogenic probes (30 to 40 nM).

Cycle:

[95°C, 1 min.; 64°C, 1min.] x 41.

Please insert the "Sequence Listing" pages 1-11 at the end of the specification.